(f) The following landing and take-off (LTO) cycles apply for emission testing and calculating weighted LTO values:

TABLE 1 TO § 87.60—LTO TEST CYCLES

Mode	Turboprop		Subsonic turbofan		Supersonic turbofan	
	Percent of rated output	Time in mode (minutes)	Percent of rated output	Time in mode (minutes)	Percent of rated output	Time in mode (minutes)
Take-off	100	0.5	100	0.7	100	1.2
Climb	90	2.5	85	2.2	65	2.0
Descent					15	1.2
Approach	30	4.5	30	4.0	34	2.3
Taxi/ground idle	7	26.0	7	26.0	5.8	26.0

(g) Engines comply with an applicable standard if the testing results show that the engine type certificate family's characteristic level does not exceed the numerical level of that standard, as described in § 87.60.

[77 FR 36386, June 18, 2012]

§ 87.64 Sampling and analytical procedures for measuring gaseous exhaust emissions.

(a) [Reserved]

(b) Starting January 1, 2011, report CO_2 values along with your emission levels of regulated NO_X to the Administrator for engines of a type or model of which the date of manufacture of the first individual production model was on or after January 1, 2011. By January 1, 2011, report CO_2 values along with your emission levels of regulated NO_X to the Administrator for engines currently in production and of a type or model for which the date of manufacture of the individual engine was before January 1, 2011. Round CO_2 to the nearest 1 g/kilonewton rO.

(c) Report CO_2 by calculation from fuel mass flow rate measurements in Appendices 3 and 5 to ICAO Annex 16, volume II or alternatively, according to the measurement criteria of CO_2 in Appendices 3 and 5 to ICAO Annex 16, volume II.

[74 FR 56374, Oct. 30, 2009, as amended at 77 FR 36386, June 18, 2012]

PART 88—CLEAN-FUEL VEHICLES

Subpart A—Emission Standards for Clean-Fuel Vehicles

Sec.

Subpart B—California Pilot Test Program

TABLES TO SUBPART B OF PART 88

Subpart C—Clean-Fuel Fleet Program

TABLES TO SUBPART C OF PART 88